

About this document

This document is a supplement to Meridian 1 NTPs. It provides information specific to the Meridian 1 implementation of fiber-optic links that connect the Meridian 1 system to multiple Remote IPE modules using a pair of Fiber Remote Multi-IPE Interface units.

It describes the operation of the Fiber Remote Multi-IPE Interface equipment and provides specific information on how to install and maintain this equipment as an integral part of the Meridian 1 system. Fiber Remote Multi-IPE Interface configuration procedures are identical to the equivalent non-fiber equipment in Meridian 1. However, there are some additional software commands that can be executed using the Man-Machine Interface (MMI) terminal to specifically control fiber-optic equipment.

The following describes what you will find in this document:

Product description describes the Fiber Remote Multi-IPE Interface functional and physical characteristics, general engineering guidelines, and planning and ordering information.

Installation and configuration explains how to prepare the site, how to install and connect the Fiber Remote Multi-IPE Interface equipment at Meridian 1 and Remote IPE sites, and how to configure the system using the Man-Machine Interface (MMI) terminal.

Acceptance testing describes how to perform functional tests to verify that the installed Fiber Remote Multi-IPE Interface units are operating correctly.

Maintenance describes how to perform routine administrative and maintenance functions and how to troubleshoot the Fiber Remote Multi-IPE Interface equipment and the fiber-optic link connections. It explains how to isolate problems, fix or replace defective equipment, and verify that the equipment is operating correctly after corrections or replacements have been made.

Appendix lists messages generated by the Peripheral Controller in the Remote IPE equipment. These messages indicate the status of the Peripheral Controller card. It also includes connection diagrams for local and remote sites.

This document provides detailed information on how to install, configure, and maintain the Fiber Remote Multi-IPE Interface equipment. However, it also refers to various Meridian 1 NTPs that contain additional information, which may be required when installing and maintaining the Fiber Remote Multi-IPE Interface and Remote IPE equipment as an integral part of the Meridian 1 system.

Reference

The following is a list of documents that are referred to in this document for additional information:

- *Meridian 1 installation planning* (553-3001-120)
- *Meridian 1 system engineering* (553-3001-151)
- *Meridian 1 power engineering* (553-3001-152)
- *Meridian 1 system installation procedures* (553-3001-210)
- *X11 features and services* (553-3001-305)
- *X11 input/output guide* (553-3001-400)
- *Traffic measurement formats and output* (553-2001-450)